

Amendments to the Specification

Please amend paragraphs [0008] and [0050], as shown below.

[0008] In another embodiment shown herein as Figure 1B, Lee's maxisectional sectional electrodes 30 are symmetrical and elongated in cross-section. The elongated trailing edges on the maxisectional electrodes provide increased area upon which particulate matter entrained in the airflow can attach. Lee states that precipitation efficiency and desired reduction of anion release into the environment can result from including a passive third array of electrodes 70 (not shown in Figure 1B, but shown in Figure 3 of Lee's '801 patent). Understandably, increasing efficiency by adding a third array of electrodes will contribute to the cost of manufacturing and maintaining the resultant system.

[0050] In practice, unit 100 is placed in a room and connected to an appropriate source of operating potential, typically 117 VAC. With S1 energized, ionization unit 160 emits ionized air and preferably some ozone (O₃) via outlet vents ~~450~~ 106. The air flow, coupled with the ions and ozone freshens the air in the room, and the ozone can beneficially destroy or at least diminish the undesired effects of certain odors, bacteria, germs, and the like. The air flow is indeed electro-kinetically produced, in that there are no intentionally moving parts within the present invention. (As noted, some mechanical vibration may occur within the electrodes.) As will be described with respect to Fig. 4A, it is desirable that the present invention actually output a net surplus of negative ions, as these ions are deemed more beneficial to health than are positive ions.